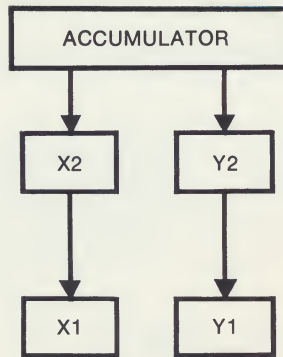


GRAPHIC II PLOT MODE OPERATION



SYSTEM COMMANDS

CONTROL CODES

cG	Bell
cL	Form feed
cl	Horizontal tab
cK	Vertical tab
cH	Back space
cN	Select APL characters
cO	Select normal characters
cE	Here-is

PLOT COMMANDS

- DIGIT 0-9** Digits of Plot coordinates are entered into accumulator (multiplies accumulator by 10 and adds digit)
- (** Copy X2 → X1, Y2 → Y1 and clear accumulator
- ,** Put accumulator into X2 and clear accumulator
- .** Put accumulator into Y2 and clear accumulator
-)** Draw a line between X1, Y1 and X2, Y2 and clear accumulator
-]** Position print head to X1, Y1 and clear accumulator

EXAMPLES

- (A,B.(C,D.)** Line between A,B and C,D
- (A,B.(C.)** Horizontal line between A,B and C,B
- (A,B.(D.)** Vertical line between A,B and A,D
- (A,B.()** Single dot at A,B
- (A,B.(]** Move head to A,B (does not print)
- (A,B.(C,D.)(E,F.)** Connect joining lines A,B to C,D E,F
- (A,B.(C.)(D.)(A.)(B.)** Rectangle with corners A,B C,B C,D A,D
- (A,B.(C,D.)(E,F.)(G,H.)** Radials from point A,B to C,D E,F G,H

ESCAPE CODES

1	Set horizontal tab
2	Reset horizontal tab
3	Set vertical tab
4	Reset vertical tab
5	Print entire character set
6	Reset top of forms
7	▽ □ □ □ print mode
8	◀ □ □ □ print mode
9	▶ □ □ □ print mode
0	Double width character
A	Boldface characters
B	Enter graphics mode
C	Reset special print modes
D	Up line feed
E	Up form feed
F	Power up reset
G	Up ¼ line feed
H	Down ¼ line feed
I	Toggle auto LF mode
J	Sets bar print mode (graphics mode only)
N	Select third character set
O	Select standard character set
P	Select RAM defined character set
Q	Load RAM character set (next 658 bytes)

GENERAL SPECIFICATION LA35/LA36 WITH GRAPHICS II

PRINT SPEED

Character mode	Average 36 char./sec.
Graphics mode	Average 1 inch/sec.
Transmission rates	Selectable to 1200 BAUD with X-on & X-off

INTERFACES

20 ma current loop
EIA RS232
TTL (for modem)

LINE LENGTH

Character mode	132 characters/line
Graphics mode	1320 dots

SPACING

Character mode	
Horizontal	10 characters/inch
Vertical	6 lines/inch
Graphics mode	
Horizontal	100 dots/inch
Vertical	72 dots/inch

CHARACTERS

Four complete character sets including upper & lower case
ASCII character set
APL character set may be user defined
Math character set
RAM executable character set—load from keyboard or computer
Bold face—all characters
Double width—all characters
4 rotations—all characters

PAPER

Variable width 3 inches to 14⁷/₈ inches
Up to 6 part forms .020 in. maximum thickness
Tractor drive line feed

RIBBON

Nylon fabric
0.5 in. wide x 40 yds. long

DIMENSIONS

GRAPHICS II circuit card 19 × 10.5 inches

LIST

XSINE BASIC V01B-02A

```
100 REM *****
105 REM ** SINE PLOT **
110 REM ** WITH **
115 REM **GRAPHICS I**
120 REM ** (EXAMPLE) **
125 REM *****
130 REM
140 REM
150 REM THIS IS A SIMPLE PROGRAM
160 REM WHICH PLOTS THE EQUATION
170 REM Y=A*SIN(X)
180 REM
190 REM
200 REM STARTING LOCATION = X1,Y1
210 X1=150
220 Y1=100
230 REM Y AMPLITUDE = A
235 A=60
240 REM EXPAND X AXIS BY B
245 B=20
250 REM # OF CYCLES = C
260 C=4
270 OPEN "TT:" FOR OUTPUT AS FILE #1
280 REM
290 REM ENTER GRAPHICS MODE
300 PRINT #1:CHR$(27)&"B"
310 REM
320 REM FIRST POINT TO PLOT
330 PRINT #1:("&STR$(X1)&","&STR$(Y1)&",";
340 REM
350 FOR N=1 TO C*360 STEP 10
360 X=N*3.1416/180
370 Y=INT(Y1-A*SIN(X))
380 X=INT(X1+B*X)
390 REM
400 REM PLOT POINTS AS CONNECTING LINES
410 REM
420 PRINT #1:("&STR$(X)&","&STR$(Y)&",";
430 NEXT N
440 REM
450 REM EXIT GRAPHICS MODE & FORM FEED
460 PRINT #1:CHR$(27)&"C"
470 PRINT #1:CHR$(12)
480 CLOSE
490 END
```

READY

READY

RUNNH



LIST

POLY1 BASIC V01B-02A

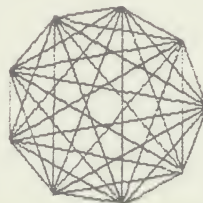
```
106 B$="LP:"
107 OPEN B$ FOR OUTPUT AS FILE #1
109 PRINT "NUMBER OF SIDES = ";
110 INPUT P
111 PRINT "STARTING LOCATION X,Y"
112 INPUT X1,Y1
113 PRINT "SIZE (RADIUS)"
114 INPUT R
115 IF P>100 THEN 999
120 PRINT #1:CHR$(27)&"B"
130 FOR N=1 TO P-1
140 A=(N-1)*6.2832/P
150 PRINT #1:("&STR$(INT(R*COS(A)+X1))&","&STR$(INT(.72*R*SIN(A)+Y1))&",";
160 FOR M=N+1 TO P
170 B=(M-1)*6.2832/P
180 PRINT #1:STR$(INT(R*COS(B)+X1))&","&STR$(INT(.72*R*SIN(B)+Y1))&",";
190 NEXT M
200 NEXT N
210 PRINT #1:CHR$(27)&"C"
215 PRINT #1:CHR$(12)
225 CLOSE
228 PRINT
230 GO TO 106
999 END
```

READY

RUN

POLY1 BASIC V01B-02A

```
NUMBER OF SIDES = 79
STARTING LOCATION X,Y
?300,400
SIZE (RADIUS)
?100
```



ORDER INFORMATION

<u>Description</u>	<u>P/N</u>	<u>Price</u>
GRAPHICS II circuit board (Vector Graphics)	217900	\$850.00
Raster Graphics Option Factory Installed	G1000	150.00
or PROM Exchange	G2000	200.00
Line Feed Tractors (Improves paper handling)	G3000	50.00
APL Replacement Key Caps	G4000	105.00
RT11/RTX11 Graphics Software* (Includes Floppy Disk)	G5000	350.00

Delivery: Delivery quoted upon request at time of purchase;
most items are generally delivered from stock.

Note: All prices are FOB Santa Clara and are subject to
change without notice.

*Available August 1979



SELANAR
CORPORATION

(408) 727-2811

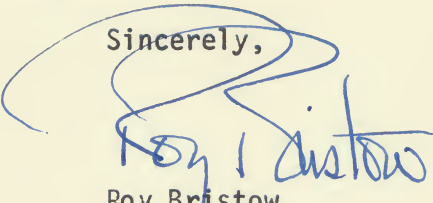
2403 De La Cruz Boulevard, Santa Clara, California 95050

Thank you for your recent inquiry regarding the Selanar GRAPHICS II.

Enclosed herewith please find the information you requested for your review. At present, GRAPHICS II is available for DECwriter models LA35 & LA36. Our product adds unique printing capabilities as well as graphics to the DECwriter at a very low cost to the user. Deliveries are from stock and installation is accomplished in the field.

Please don't hesitate to contact me for more information as it will be my pleasure to assist you in further evaluating our product.

Sincerely,


Roy Bristow
Marketing

Enclosures

RB/v